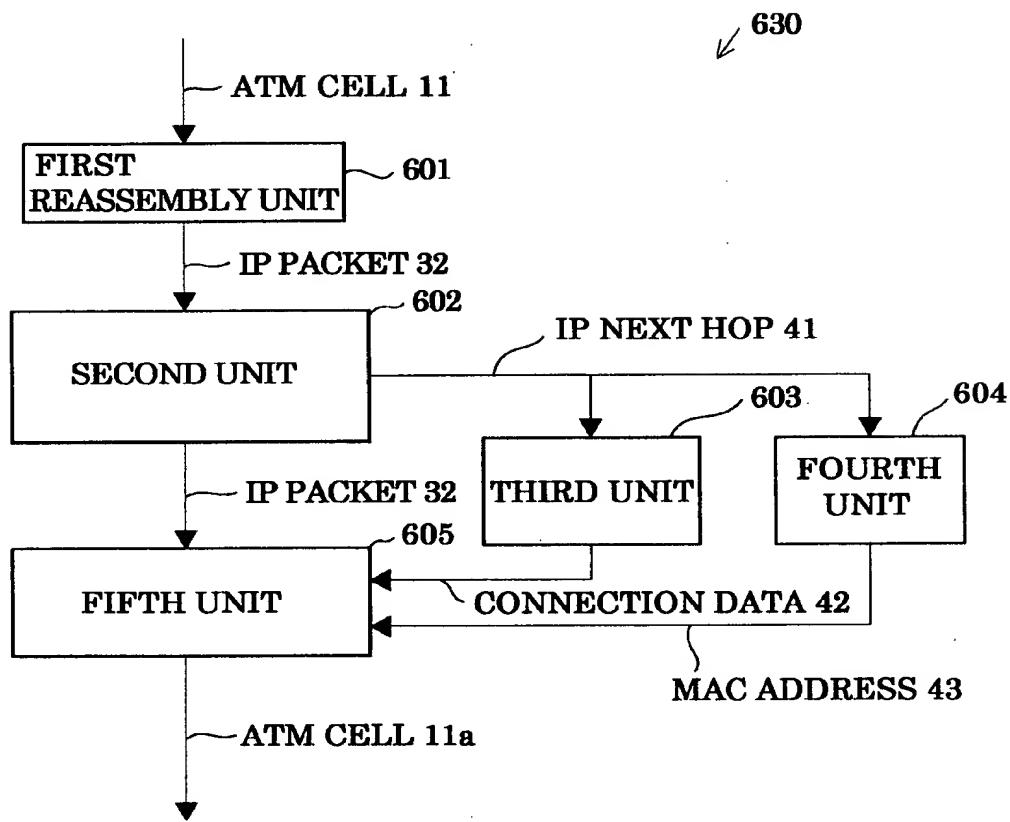
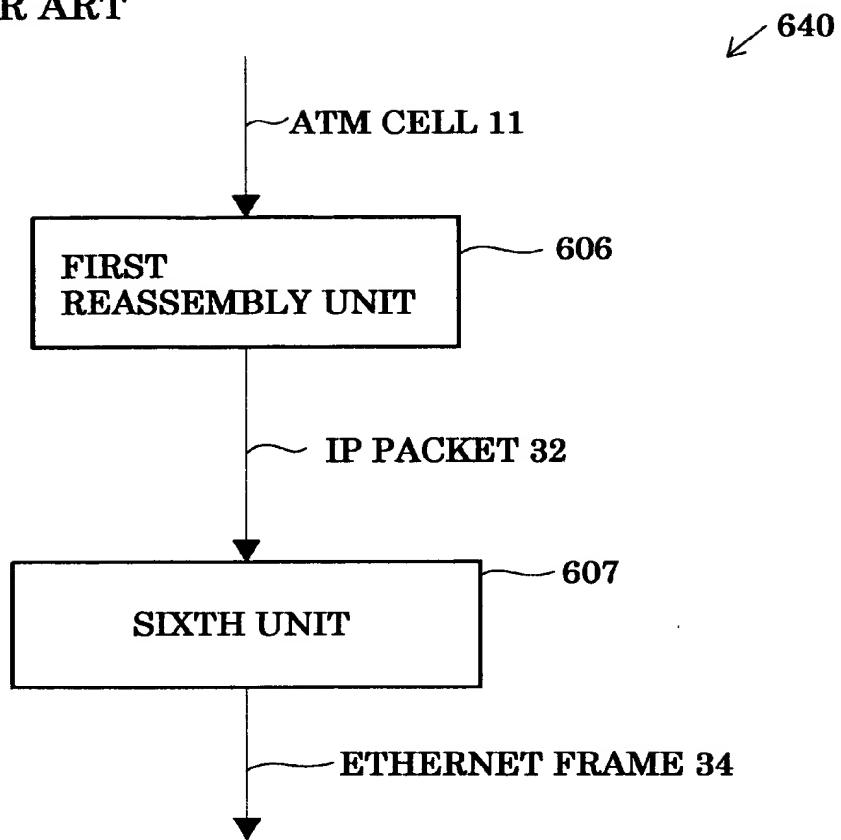


**FIG. 1**  
**PRIOR ART**



**FIG. 2**  
**PRIOR ART**



**FIG. 3**  
**PRIOR ART**

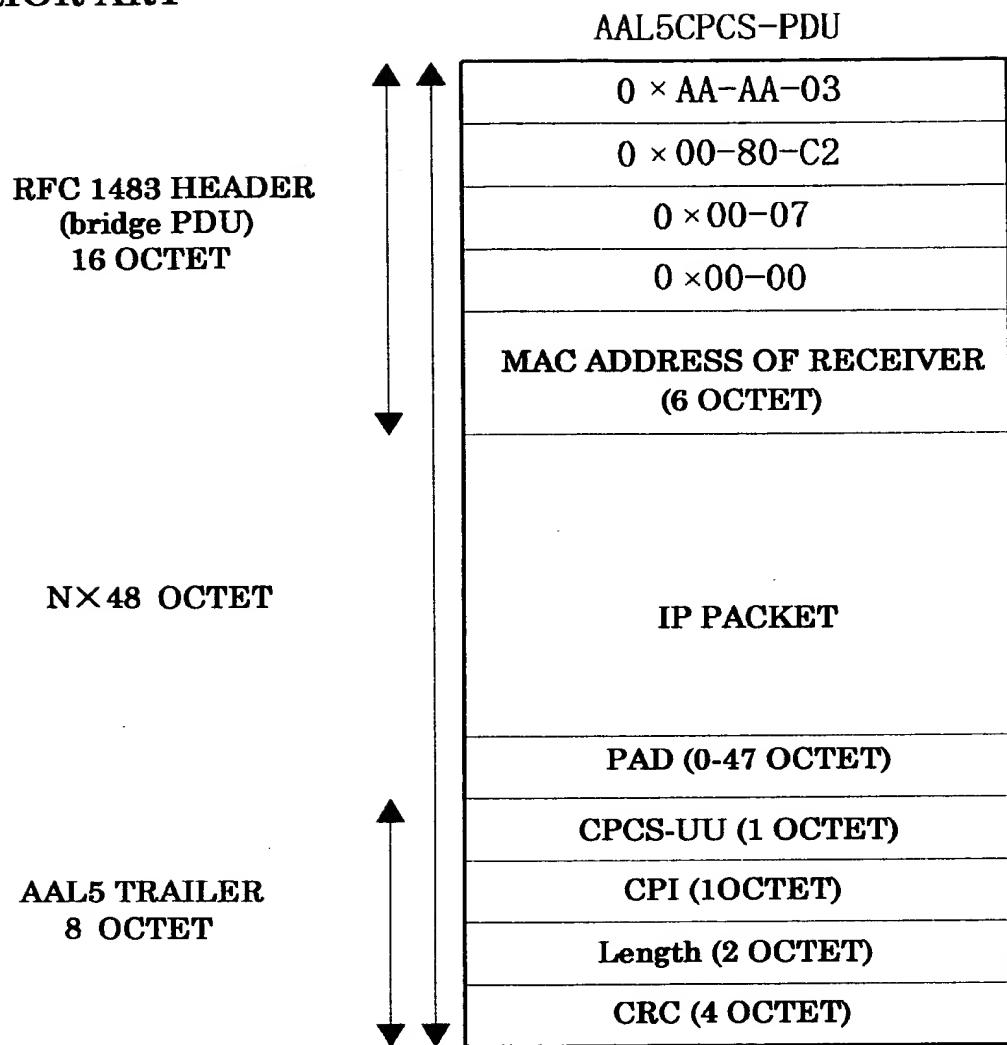


FIG. 4

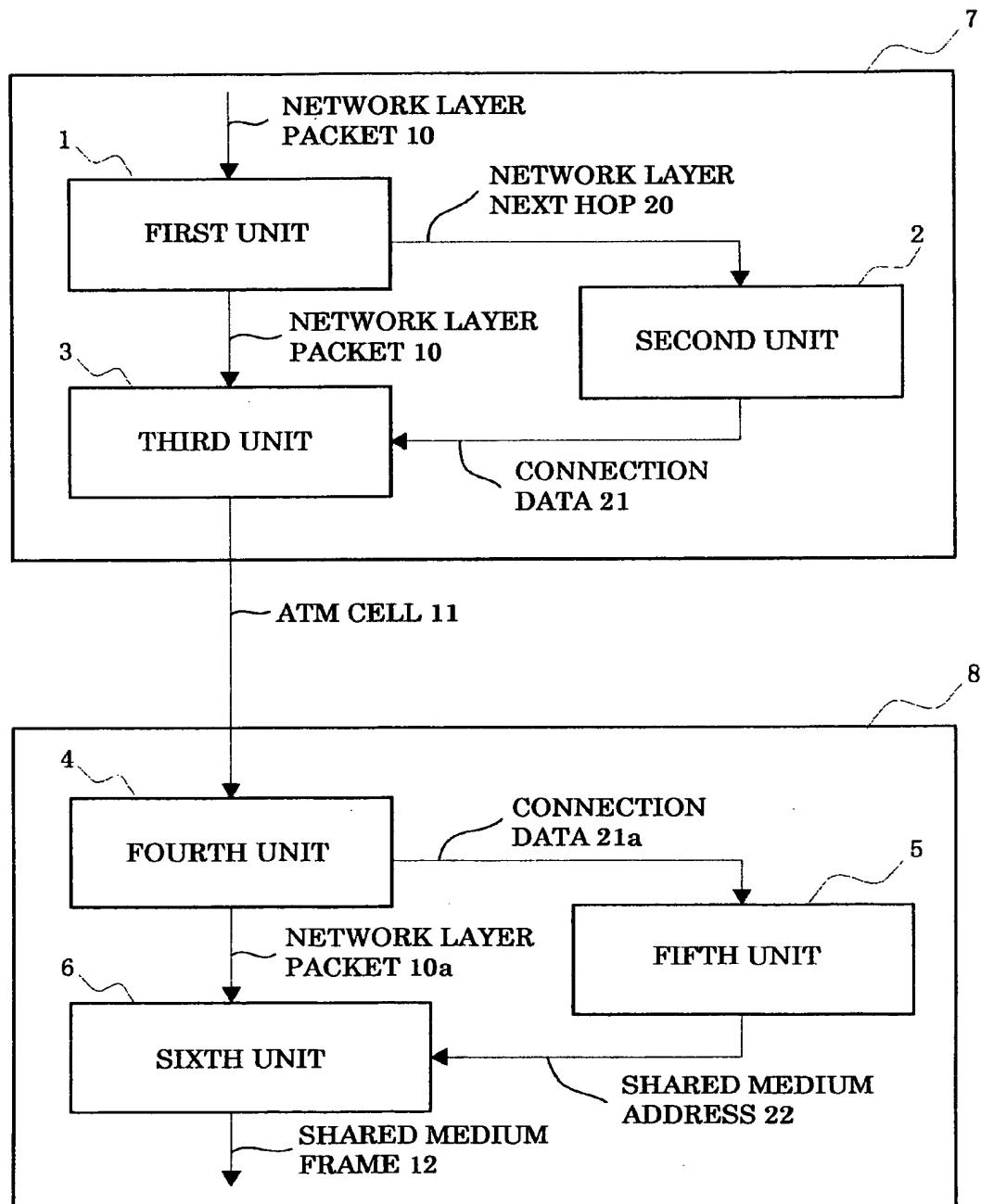


FIG. 5

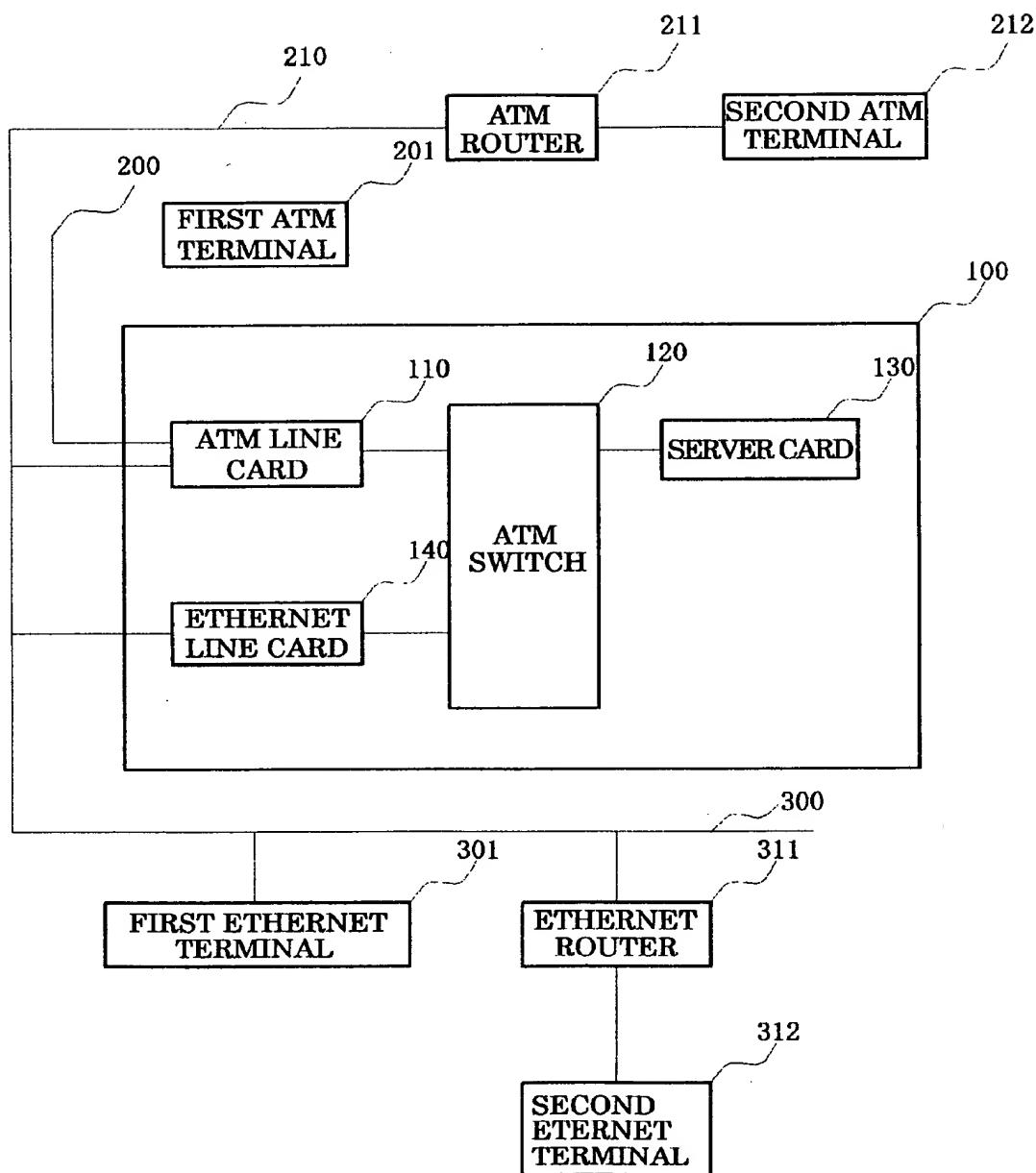


FIG. 6

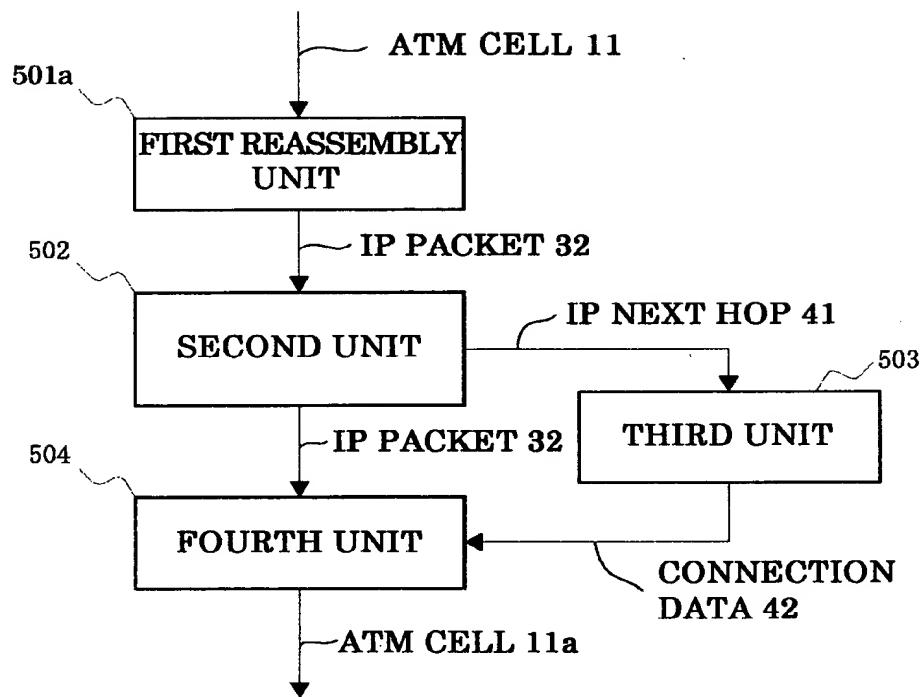


FIG. 7

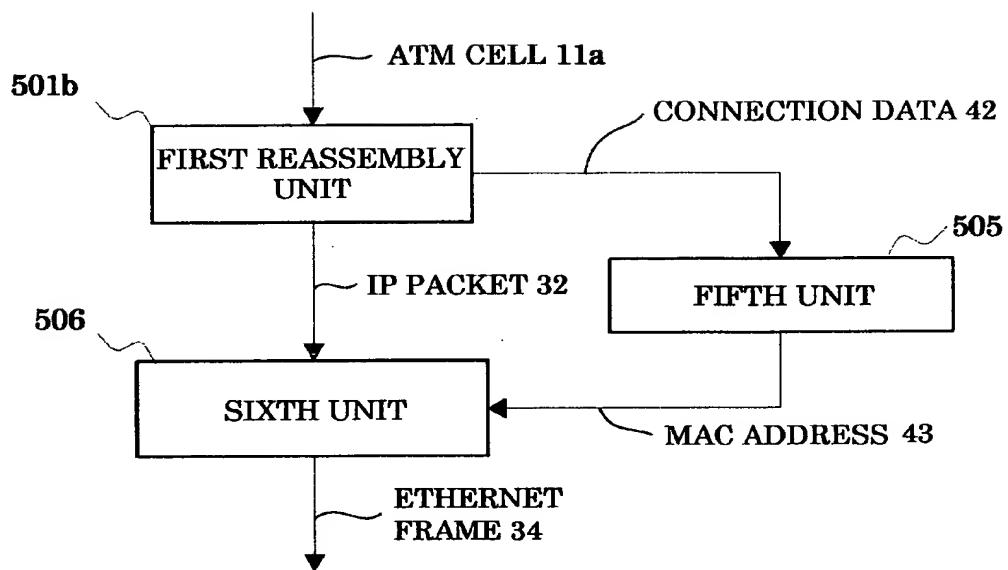


FIG. 8

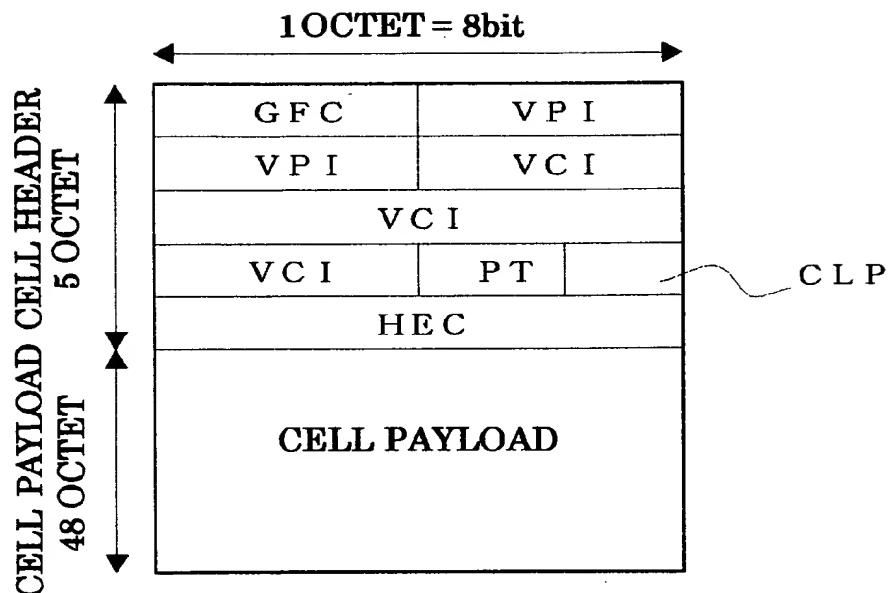
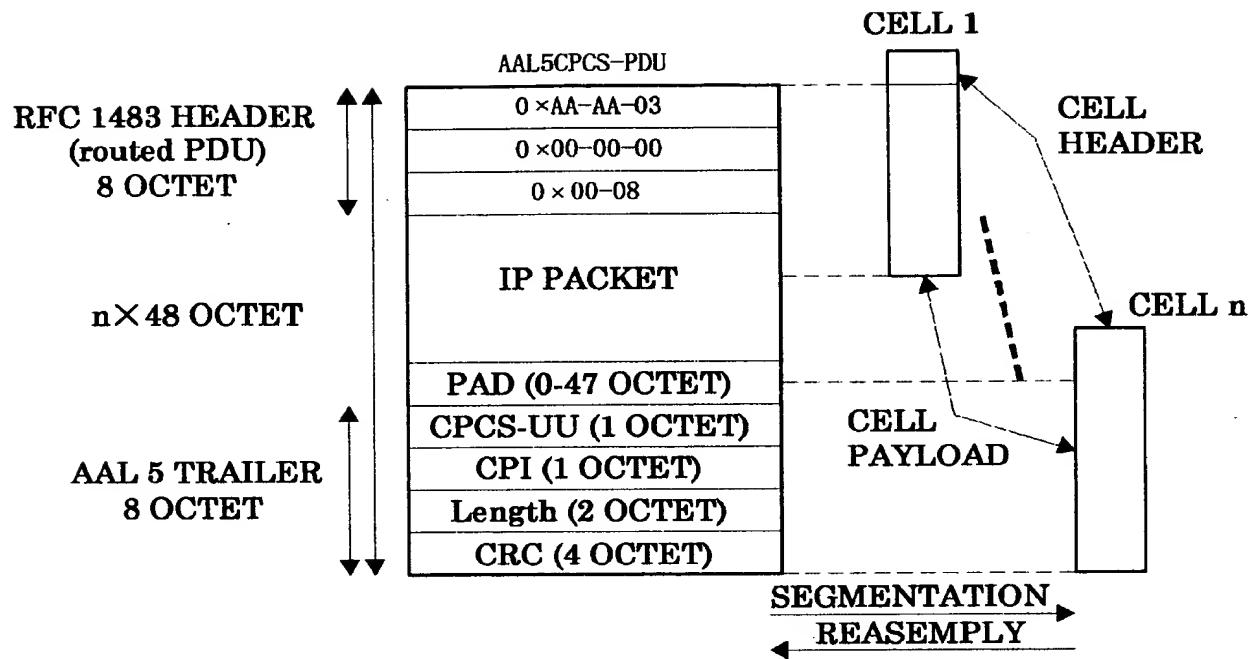


FIG. 9



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## FIG. 10

IP ADDRESS OF RECEIVER	IP NEXT HOP
IP ADDRESS OF FIRST ATM TERMINAL 201	IP ADDRESS OF FIRST ATM TERMINAL 201
IP ADDRESS OF SECOND ATM TERMINAL 212	IP ADDRESS OF ATM ROUTER 211
IP ADDRESS OF ETHERNET TERMINAL 301	IP ADDRESS OF ETHERNET TERMINAL 301
IP ADDRESS OF ETHERNET TERMINAL 312	IP ADDRESS OF ETHERNET ROUTER 311

The diagram shows four wavy lines originating from the right side of the table, pointing to the right. The top line points to the label '601'. The other three lines point to the labels '41a', '41b', and '41c' in sequence, with '41d' being the bottom-most label. The labels are positioned to the right of the table's right edge.

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**FIG. 11**

IP ADDRESS OF RECEIVER	CONNECTION DATA
IP ADDRESS OF FIRST ATM TERMINAL 201	42a
IP ADDRESS OF ATM ROUTER 211	42b
IPADDRESS OF ETHERNET TERMINAL 301	42c
IP ADDRESS OF ETHERNET ROUTER 311	42d

602

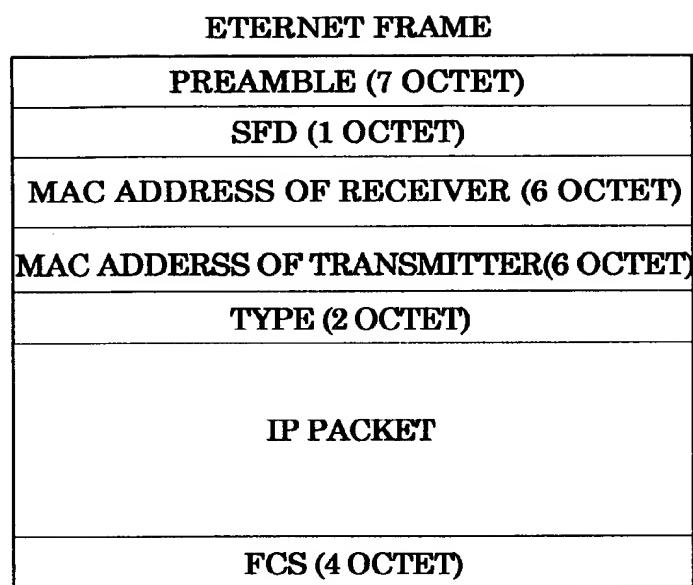
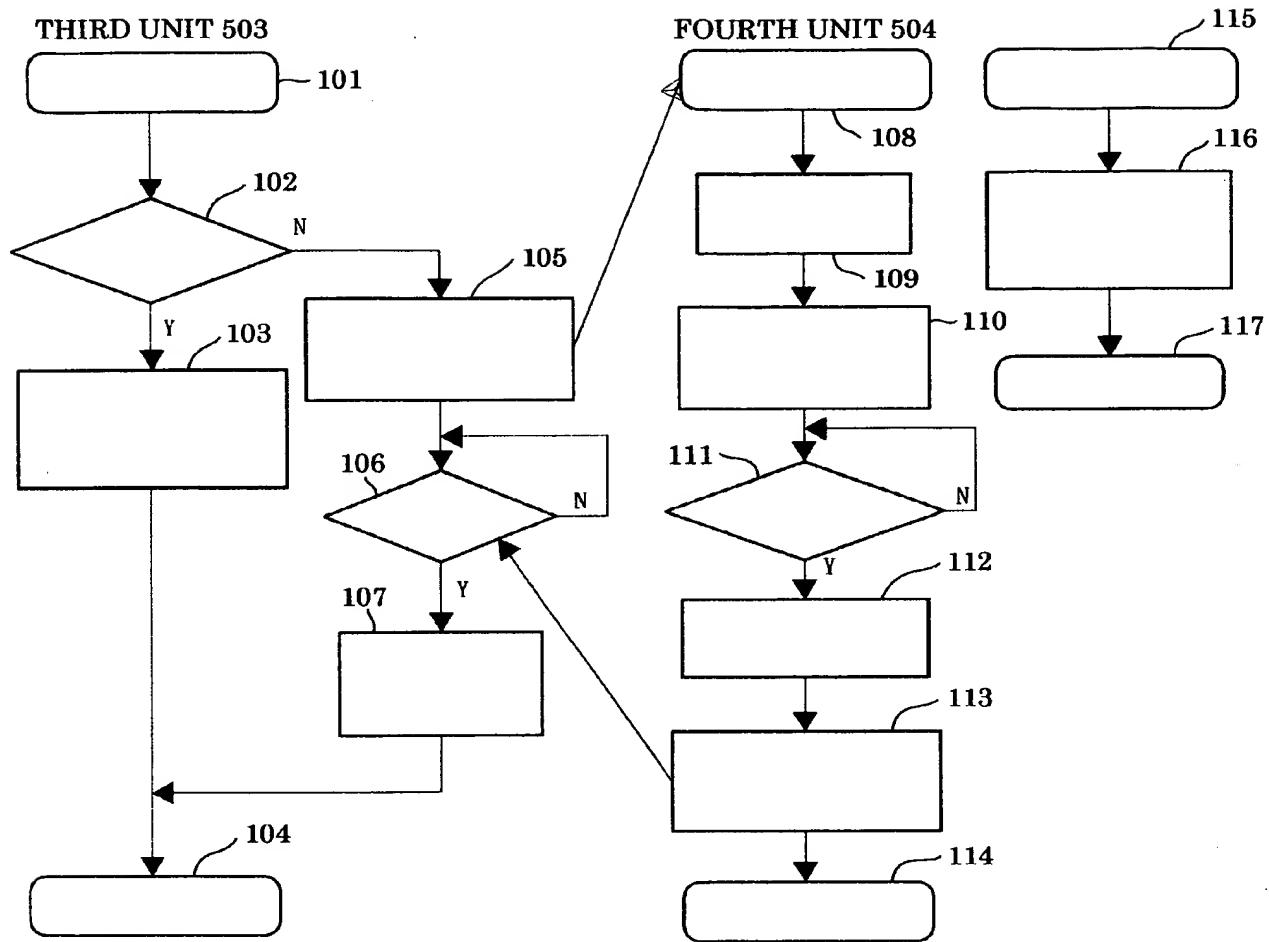
**FIG. 12**

FIG. 13

CONNECTION DATA	MAC ADDRESS
42c	MAC ADDRESS OF ETHERNET TERMINAL 301
42d	MAC ADDRESS OF ETHERNET ROUTER 311

The diagram shows three wavy lines originating from the right side of the table rows. The top line points to the label '603' located to the right of the table. The middle line points to the label '43c' located below '603'. The bottom line points to the label '43d' located below '43c'.

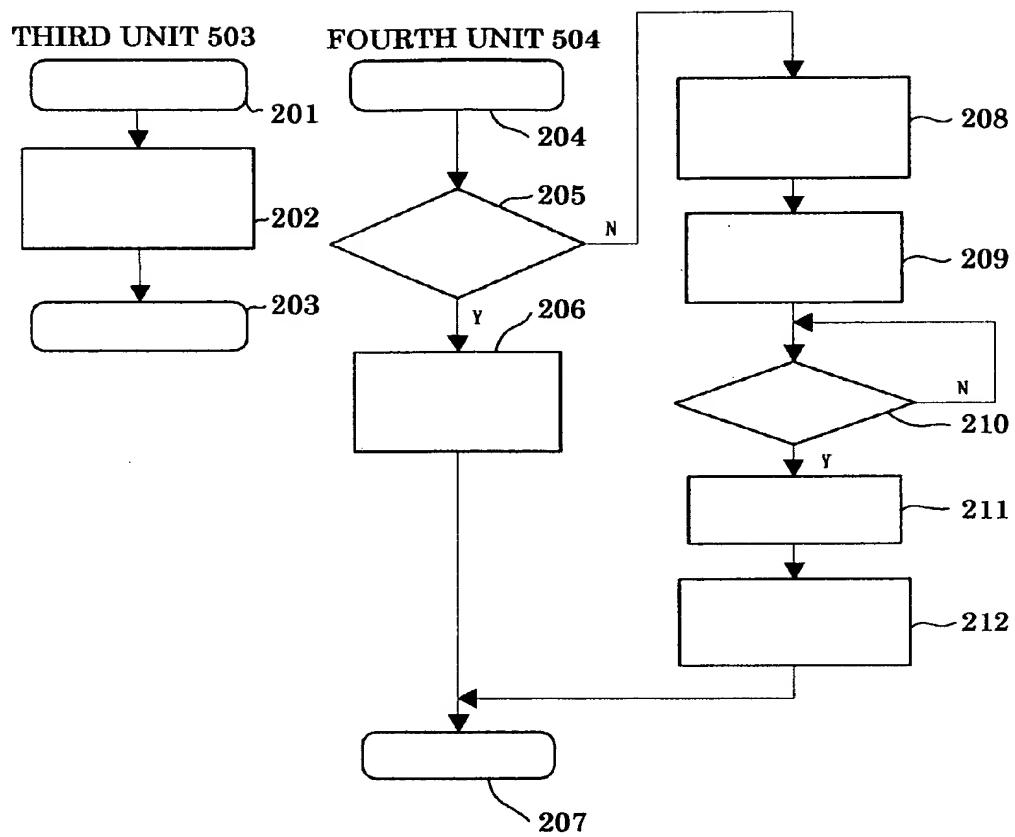
FIG. 14



101 : RECEIVING IP PACKET 32x  
 102 : IS CONNECTION DATA INCLUDED ?  
 103 : FINDING CONNECTION DATA 42x  
 104 : TRANSMITTING CONNECTION  
 DATA 42x  
 105 : TRANSMITTING ATM ARP PACKET  
 106 : IS RESPONSE RECEIVED ?  
 107 : STORING RELATION  
 108 : RECEIVING ATM ARP PACKET  
 109 : ASSIGNING NON-USED CONNECTION  
 DATA 42x  
 110 : TRANSMITTING ARP PACKET

111 : IS RESPONSE RECEIVED ?  
 112 : EXTRACTING MAC ADDRESS 43x  
 113 : STORING RELATION  
 114 : TRANSMITTING MAC ADDRESS 43x  
 115 : RECEIVING CONNECTION DATA 42x  
 116 : FINDING MAC ADDRESS 43x  
 117 : TRANSMITTING MAC ADDRESS 43x

FIG. 15



201 : RECEIVING IP PACKET 32y

202 : PRODUCING CONNECTION  
DATA 42y203 : TRANSMITTING CONNECTION  
DATA 42y204 : RECEIVING CONNECTION  
DATA 42y205 : IS CONNECTION DATA  
REGISTERED ?

206 : FINDING MAC ADDRESS 43y

207 : TRANSMITTING MAC ADDRESS 43y

208 : DEFINING IP NEXT HOP 41y

209 : TRANSMITTING ARP PACKET

210 : IS RESPONSE RECEIVED ?

211 : EXTRACTING MAC ADDRESS 43y

212 : STORING RELATION

FIG. 16

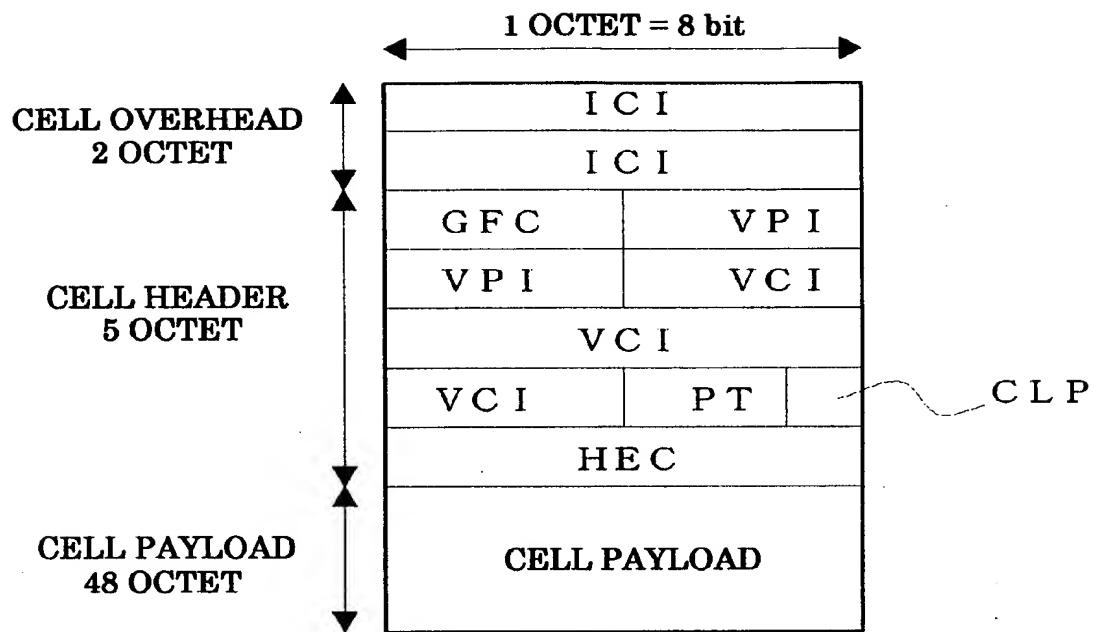


FIG. 17

